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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/501,235	07/12/2004	Rowland White	320-008	3550

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EXAMINER
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HAMMOND, BRIGGITTE R

ART UNIT	PAPER NUMBER
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2833

DATE MAILED: 08/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/501,235

Applicant(s)

WHITE, ROWLAND

Examiner

Brigitte R. Hammond

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on 03 June 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 12-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 12-26 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 7/12/04 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>3/305</u> . | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Drawings*

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, "a plane drawn parallel to the flat contact surface and passing through the point defined by the end of the cutting edge" must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

### ***Claim Objections***

Claims 22,25 and 26 are objected to because of the following informalities: in claim 22, line 6, change "the flat" to - -a flat- - , "the point" to - -a point- -and "the end" to - -an end- -; and in claim 26, line 2, change "pssing" to - -passing- -.

Also regarding claims 25 and 26, a plane drawn parallel to the flat contact surface and passing through the point defined by the end of the cutting edge is unclear. They read as if some words are missing. Appropriate correction is required.

The Examiner reminds applicant (again) that claims 12-26 should be thoroughly checked for proper antecedence. Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 12-26 are rejected under 35 U.S.C. 102(b) as being unpatentable over Odley et al. 5,836,782. Odley et al. disclose a contact 10 for establishing electrical connection with an electrically conductive wire, comprising: a base 40 and a two elongate blades 2,4 extending from the base and defining therebetween a channel within which a wire 8 is to be received, a first blade 2 of the two being flat and a second blade 4 being shaped, a flat contact surface of one blade being opposite a cutting edge of the other blade and lying on opposite sides of the channel, the flat contact surface

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maintaining the wire substantially parallel to the flat contact surface through the channel and the cutting edge of the other blade pointing towards the flat contact surface (see fig. 1A).

Regarding claim 13, the second blade 4 is shaped so as to present the flat contact surface to the cutting edge of the other blade.

Regarding claims 22 and 24, the contact is manufactured from a planar material (sheet metal).

Regarding claim 14, the shaped blade prescribes an arc about an axis parallel to the longitudinal axis of the shaped blade.

Regarding claim 15, the blades each have two major surfaces (at 2 and at 4) and two minor surfaces 2a,4a and the flat contact surface comprises a minor surface of one blade proximate the other blade.

Regarding claim 16, the blades each have two major surfaces (at 2 and at 4) and two minor surfaces 2a,4a and the flat contact surface comprises a portion of a major surface of one blade proximate the other blade.

Regarding claim 17, the cutting edge comprises a corner of a major surface 34 with a minor surface 36 of the other blade.

Regarding claim 18, the flat contact surface lies in a first plane and the planes of the two surfaces defining the cutting edge lie in a second and a third plane respectively, the second and third planes being respectively between 30° and 60° to the first plane (as shown in 1A).

Regarding claim 19, the second and third planes are in a region of 45° to the first plane.

Regarding claim 20, Odley disclose a contact 10 for establishing electrical connection with an electrically conductive wire, comprising: a base 40 and two elongate blades 2,4 extending from the base and defining therebetween a channel within which a wire 8 is to be received, a first blade 2 of the two being flat and a second blade 4 of the two being shaped, a flat contact surface of one blade and a cutting edge of the other blade lying on opposite sides of the channel, wherein a line drawn parallel to the flat contact surface and passing through the point defined by the end of the cutting edge is not parallel to either of the surfaces defining the cutting edge.

Regarding claim 21, Odley disclose an insulation displacement connector, comprising: a contact 10 manufactured from a planar material and having a base 40 and two elongate blades 2,4 extending from the base and defining therebetween a channel within which a wire 8 is to be received, a first blade 2 of the two being flat and a second blade 4 being shaped, a flat contact surface of one blade being opposite a cutting edge of the other blade and lying on opposite sides of the channel, the flat contact surface maintaining the wire substantially parallel to the flat contact surface through the channel and the cutting edge of the other blade pointing towards the flat contact surface.

Regarding claim 22, Odley et al. disclose an insulation displacement connector, comprising: a contact 10 manufactured from a planar material and having a base 40 and two elongate blades 2,4 extending from the base and defining therebetween a

channel within which a wire 8 is to be received, a first blade 2 of the two being flat and a second blade 4, the blades lying on opposite sides of the channel, wherein a line drawn parallel to the flat contact surface and passing through a point defined by the end of the cutting edge is not parallel to either of the surfaces defining the cutting edge.

Regarding claims 23 and 24, the contact was manufactured from a planar material (sheet metal).

Regarding claims 25 and 26, (as best understood) a plane drawn parallel to the flat contact surface and passing through the point defined by the end of the cutting edge.

### ***Response to Arguments***

Applicant's arguments filed June 3, 2005 have been fully considered but they are not persuasive. In response to Applicant's arguments that "the arrangement does not possess a cutting edge . . . pointing towards the flat contact surface as recited in claim 12". The Examiner disagrees and draws Applicant's attention to figures 1, which shows that feature 2a,4a.

### ***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

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shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brigitte R. Hammond whose telephone number is 571-272-2006. The examiner can normally be reached on Mon.-Thurs. and Alternate Fridays from 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on 571-272-2800 ext. 33. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Brigitte R. Hammond  
Primary Examiner  
Art Unit 2833

August 9, 2005